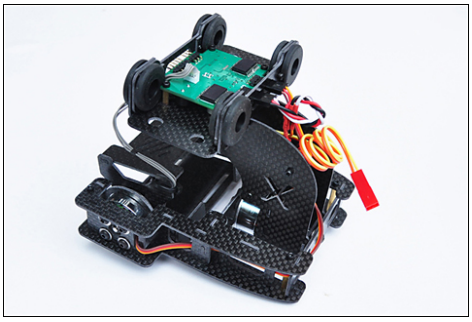
X-CAM X100B 2 Axis Brushless Gimbal For GOPRO

User Manual



X-CAM X100B 2 Axis Brushless Gimbal has been finished all adjusting before leaving the factory, Users just need to assemble to the aircraft, the pitch of holes is **59mm**

Parameters:

Weight: 235g (Supports GOPRO1-3)

Sensor resolution: 0.015

Motor travel limited: +-90 degree

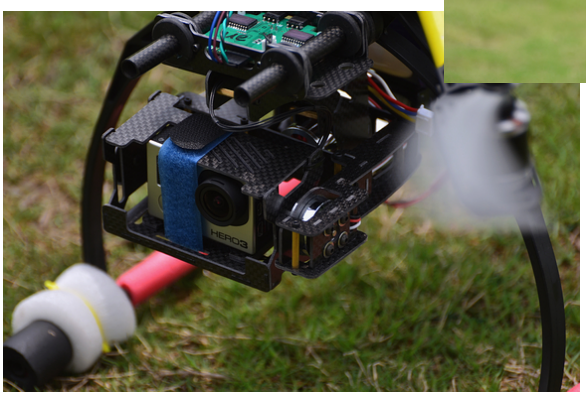
Input voltage: 12V (Recommend using 12V BEC)

Accessories

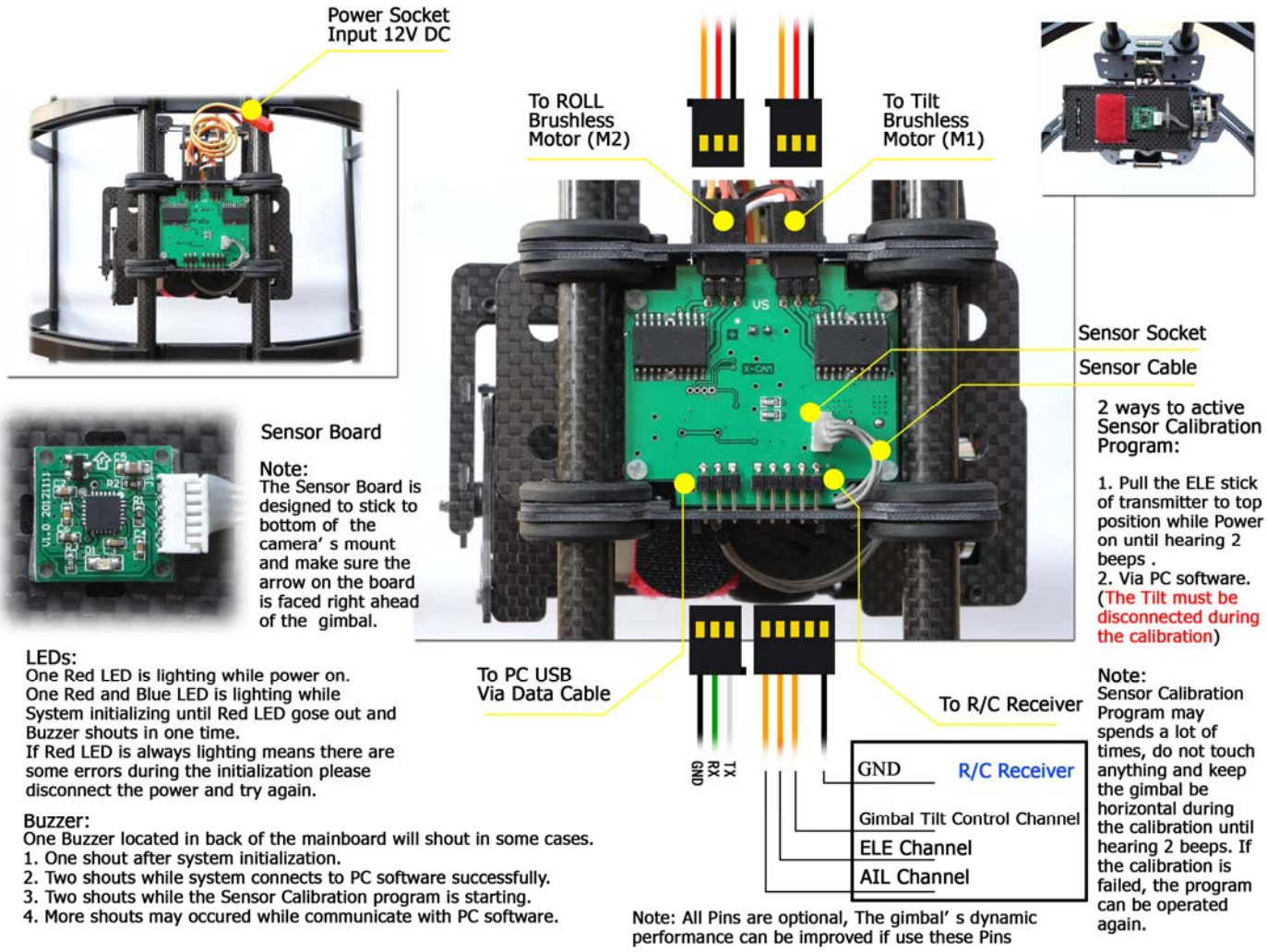
- 1 x X100B Gimbal frame with motors
- 1 x 2 Axis brushless controller (Assembled)
- 1 x 3 in 1 connection wire
- 1 x Lint paster

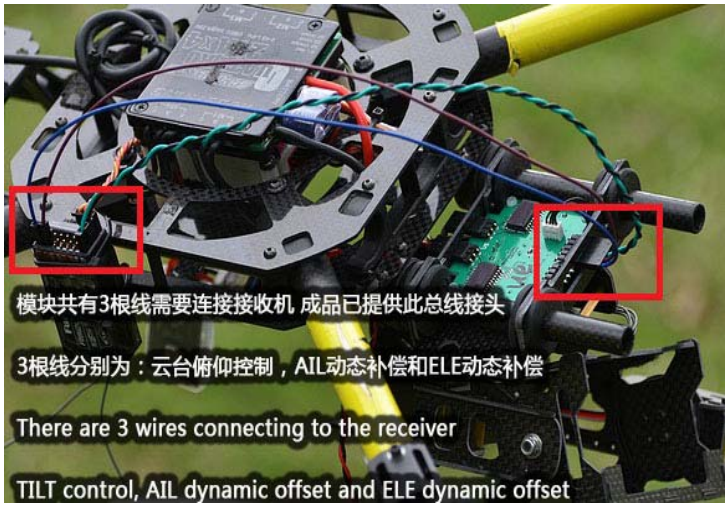
(USB adaptor and BEC unit are NOT included)

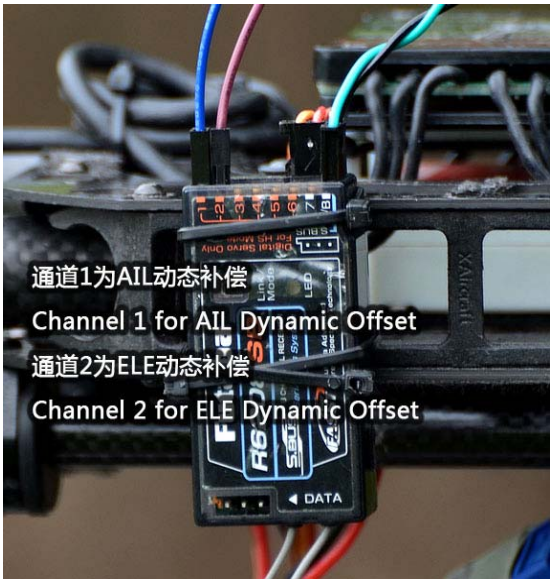
Photo Gallery



Connection Direction







Uses the 3 in 1 connection wire to connect with your receiver

One wire connect to Gimbal Tilt Control Channel (use the wire which has the GND)

One wire connect to the AIL Channel

One wire connect to the ELE channel

If you are using a receiver which is no PPM channels such as Futaba 6203 then you can not use this function

Sensor Calibration

As the temperature or the sensor error, you may need to do the sensor calibration.

There are 2 ways to active Sensor Calibration Program:

1. Pull the ELE stick of transmitter to top position while Power on until hearing 2 beeps .
2. Via PC software.

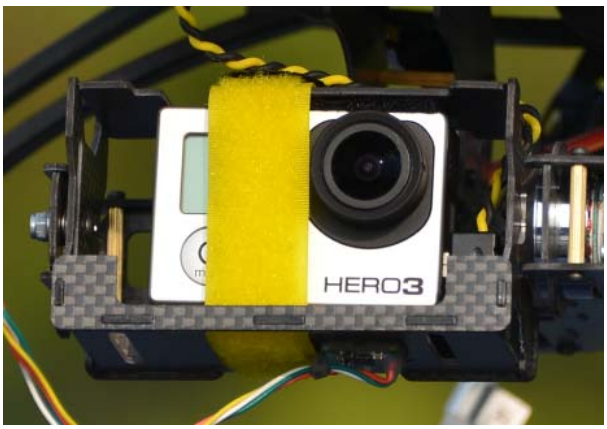
Note:

Sensor Calibration Program may spends a lot of times, do not touch anything and keep the gimbal be horizontal during the calibration until hearing 2 beeps. The Tilt must be disconnected during the calibration. If the calibration is failed, the program can be operated again.

How to place the GOPRO

X100B supports GOPRO1-3

The Lint paster must be used if using the GOPRO3



Please use a TAPE to fix the camera mount and make sure it is hard enough

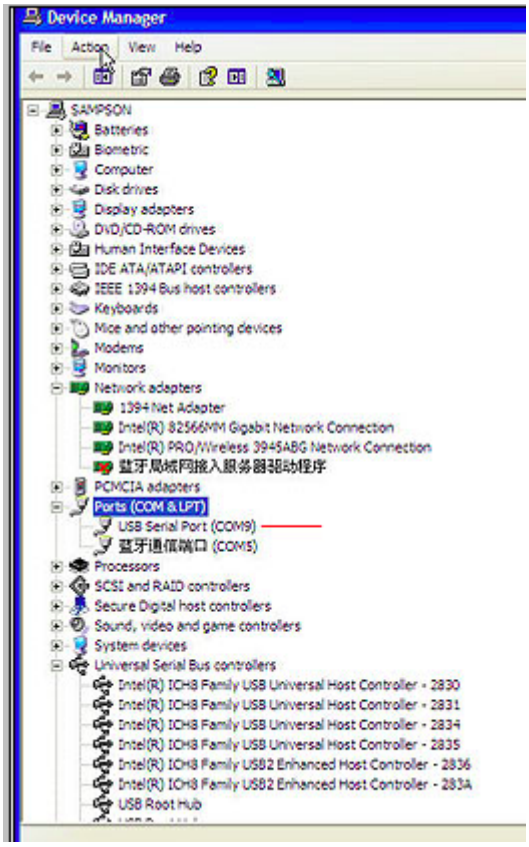
Do not run the X100B without GOPRO

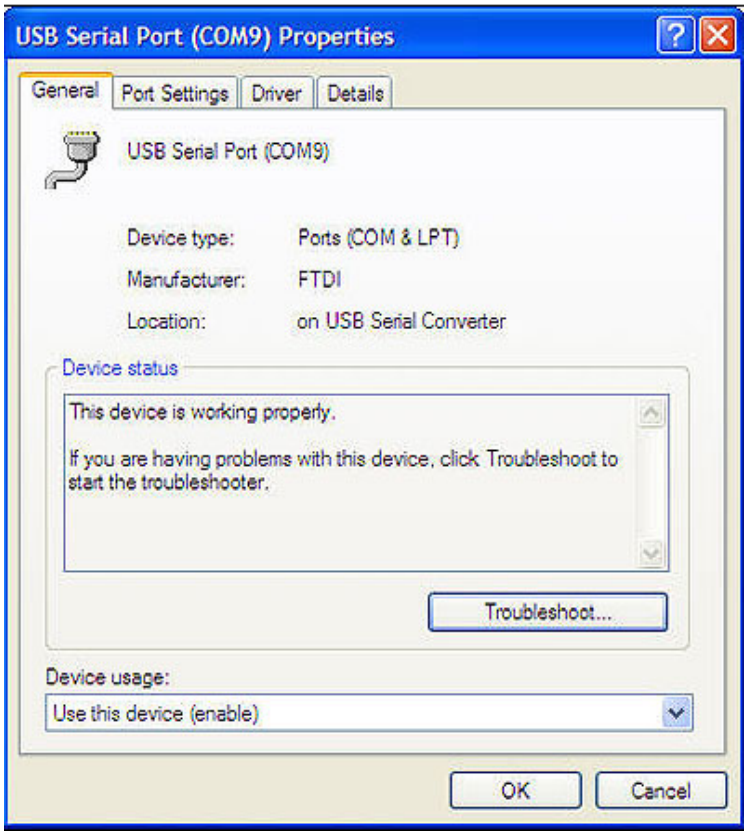
Make sure the center of gravity of GOPRO is at the correct position

PC Software

Connect with PC

Uses the USB adapter to connect with your PC , Normally the Windows can find the driver automatically, you could find the PORT number in the device Manager





Launch the X-CAM Gimbal Stabilization Module Assistant , choose the correct port number and click CONNECT

BEEP BEEP will be shouted after the connection succeed, the parameters will be read out automatically.

The parameters as below:

1. **Gains**

   There are 2 gains, Position Gain and Acceleration Gain

   Pos. Gain: Inclined the gimbal to one position slowly and watch the image is horizontal or not, if not just adjust the Pos. Gain.

   Acc. Gain: After adjusting the Pos. Gain, Inclined the gimbal to one position quickly and watch the image is horizontal in time, if not just adjust the Acc. Gain.

   Notice: the X100B has been finished the adjusting, does not need to adjust again in normally

2. Gimbal Control

The X100B provides 2 ways to control the TILT, Linear Mode or Tracking Mode

Linear Mode: Push the TILT stick to high or low for moving the camera mount to up or down until the stick back to midpoint

Tracking Mode: Push the TILT stick to high or low, the camera mount will follow the stick position.

Push speed: Setup the camera mount moving speed, high value set high speed; low value set low speed.

3. Sensor Offset

Do not set this value without the technical support from X-CAM

Disclaimer

Do not disassemble the X100B and the electronic components

Any direct or indirect damage caused by the users , we do not assume liability or assume compensation.